GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA

UNSTARRED QUESTION NO:1765
ANSWERED ON:04.05.2016
Re-Designing of Railway Coaches
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Will the Minister of RAILWAYS be pleased to state:

(a) whether any research has been done regarding re-designing of railway coaches and if so, the details thereof and if not, the reasons therefor;

(b) the funds that have been allocated for the same during the last three years;

(c) whether the Railways have rolled out the new coaches designed by the National Institute of Design and if so, the details thereof;

(d) the number of rail coaches which have been replaced with the new design, zone-wise; and

(e) whether the Railways was pushing for the rollout of new and modern coaches which would change the way a typical journey by Indian Railways is often perceived and if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI MANOJ SINHA)

(a): Re-designing of coach sub-assemblies and components is continually undertaken by RDSO (Research Designs and Standards Organisation) and Design centers of coach Production Units of Indian Railways. In the recent past, following major projects for redesigning of coaches were undertaken:
â€¢ Linke Hofmann Busch (LHB) Air-Conditioned (AC) coach to LHB non-AC variant coaches viz. LHB non-AC Sleeper, and LHB second class sitting coaches.
â€¢ LHB AC single deck Chair Car coach to LHB AC Double Decker Chair Car coach with higher carrying capacity.
â€¢ LHB Power Car to LHB luggage cum Guard Van with underslung Diesel alternator set.
â€¢ Non-AC Electric Multiple Unit (EMU) rakes to AC EMU rakes for Mumbai suburban area.
â€¢ Mainline Electric Multiple Unit/Diesel Electric Multiple Unit (MEMU/DEMU) Trailer Coaches (TC) without toilet to TC coaches with toilets.
â€¢ Diesel fuel based Power Car for DEMU to Compressed Natural Gas (CNG) fuel based Power Car.
â€¢ General DEMU coaches to Jammu and Kashmir (J&K) DEMU coaches with modified seating layout and heating arrangement.
â€¢ Redesigning of interiors of conventional Integral Coach Factory (ICF) design coaches to develop model rake coaches inducted in Mahamana Express.

(b): While no specific allocation is made for research on re-design of coaches, under Plan Head Railway Research, around ? 2.81 crores were allotted by RDSO in the last 3 years, i.e., 2013-14 to 2015-16 for development of various design related projects.

(c) & (d): No, Madam. National Institute of Design has not yet designed any coach for Indian Railways.

(e): Indian Railways had rolled out LHB type coaches under Transfer of Technology agreement with M/s Alstom, Germany. These coaches with superior interiors, are much safer and have higher speed potential of upto 160 kmph. Around 3150 coaches have already been inducted into service.
Indian Railways have planned for introduction of modern, State-of- Art distributed powered 15 EMU train sets having sleeper coaches or chair cars. These train sets will reduce journey time with better riding experience.
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